

## Useful Numbers for Cell Culture

There are various sizes of dishes and flasks used for cell culture. Some useful numbers such as surface area and

volumes of dissociation solutions are given below for various size culture vessels.

	Surface Area (mm <sup>2</sup> )	Seeding Density	Cells at Confluency <sup>1</sup>	Versene (ml of 0.53 mM EDTA)	Trypsin (ml of 0.05% trypsin, 0.53 mM EDTA)	Growth Medium (ml)
Dishes						
35 mm	962	$0.3 \times 10^6$	$1.2 \times 10^6$	1	1	2
60 mm	2,827	$0.8 \times 10^6$	$3.2 \times 10^6$	3	2	3
100 mm	7,854	$2.2 \times 10^6$	$8.8 \times 10^6$	5	3	10
150 mm	17,671	$5.0 \times 10^6$	$20.0 \times 10^6$	10	8	20
Cluster Plates						
6-well	962	$0.3 \times 10^6$	$1.2 \times 10^6$	2	2	3–5
12-well	401	$0.1 \times 10^6$	$0.4 \times 10^6$	1	1	1–2
24-well	200	$0.05 \times 10^6$	$0.2 \times 10^6$	0.5	0.5	0.5–1.0
Flasks						
T-25	2,500	$0.7 \times 10^6$	$2.8 \times 10^6$	3	3	3–5
T-75	7,500	$2.1 \times 10^6$	$8.4 \times 10^6$	5	5	8–15
T-160	16,000	$4.6 \times 10^6$	$18.4 \times 10^6$	10	10	15–30

<sup>1</sup>The number of cells on a confluent plate, dish, or flask will vary with cell type. For this table, HeLa cells were used.